

What is claimed is:

- 1. A monolithic load restraining strip for use in securing cargo within a transport container, which cargo is subject to shifting forces during transport,**
5 said load restraint strip comprising:

a first flexible, monolithic, strip of material having a first side and a second side;

- 10 a second flexible, monolithic, strip of material having a first side and a second side;**

a first layer of adhesive coextensively extending along and between said second side of said first monolithic strip and said first side of said second monolithic strip and operably serving to bond the two monolithic strips together
15 into a load restraining unit;

a second layer of adhesive extending along and coating at least a portion of said second side of said second monolithic strip; and

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a release paper extending coextensively with and releasably adhered to said second layer of adhesive applied to said second side of said second monolithic strip, wherein said release paper may be removed from said second layer of adhesive on site and said load restraining strip releasably affixed by said

second layer of adhesive to an interior surface of a cargo transport container such that said load restraining strip may be used as a flexible securement element to secure cargo within a transport container with the shear strength of said first layer of adhesive and said second layer of adhesive being sufficient to transfer
5 axial loading from cargo within said cargo container to an interior surface of said container .

2. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 1 wherein:

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the thickness of said first monolithic strip is substantially equal to the thickness of said second monolithic strip and both monolithic strips are thicker than said first layer of adhesive that bonds the two monolithic strips together.

15 3. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 1 wherein:

the thickness of said first monolithic strip is less than the thickness of said second monolithic strip carrying said second layer of adhesive.

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4. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 1 and further comprising:

a spun bonded polyester substrate centrally positioned within said first

layer of adhesive.

- 5. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 1 wherein each of said first and second**
5 monolithic strips comprises:

polypropylene.

- 6. A monolithic load restraining strip for use in securing cargo within a**
10 transport container as defined in claim 1 wherein each of said first and second monolithic strips comprises:

polyethylene.

- 15 7. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 6 wherein each of said first and second monolithic strips comprises:**

high density polyethylene.

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- 8. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 6 wherein each of said first and second monolithic strips comprises:**

low density polyethylene.

9. **A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 1 wherein each of said first and second**
5 **monolithic strips comprises:**

polyethleneterephthalate.

10. **A monolithic load restraining strip for use in securing cargo within a**
10 **transport container as defined in claim 1 wherein each of said first and second**
monolithic strips comprises:

polyethleneterephthalate glycol.

- 15 11. **A monolithic load restraining strip for use in securing cargo within a**
transport container as defined in claim 1 wherein each of said first and second
monolithic strips comprises:

polyvinyl chloride.

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12. **A monolithic load restraining strip for use in securing cargo within a**
transport container as defined in claim 1 wherein each of said first and second
monolithic strips comprises:

a vinyl chloride monomer.

13. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 1 wherein each of said first and second monolithic strips comprises:

polyethylene cross laminate.

14. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 1 wherein each of said first and second monolithic strips comprises:

a combination of at least two components selected from the group consisting of polypropylene, polyethyleneterephthalate, polyethyleneterephthalate glycol , polyvinyl chloride, vinyl chloride monomer and polyethylene cross laminate.

15. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 1, wherein said second layer of adhesive comprises:

a substrate material;

a first course of adhesive covering a first side of said substrate material

and adhered to said second side of said second monolithic layer; and

a second course of adhesive covering a second side of said substrate material and being operable for adhering contact with an interior surface of a cargo transport container.

16. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 15, wherein said substrate comprises:

10 a strip of mylar material.

17. A monolithic load restraining strip for use in securing cargo within a transport container as defined in claim 15, wherein: said

15 said second course of adhesive of said second layer of adhesive is thicker than said first course of adhesive of said second layer of adhesive.

18. A method for securing cargo within a transport container, which cargo is subject to shifting forces, using a monolithic load restraint system, said method comprising the steps of:

removing a first and a second monolithic load restraining strip of material, having substantially equal lengths, from a reel of monolithic strip material wherein each of said monolithic strips includes a first monolithic flexible

strip of material, a second monolithic flexible strip material, a first layer of first layer of adhesive and a second layer of adhesive, said first and second monolithic load restraining strips being operable for attachment at one end to an interior surface of a transport container and the other end to extend at least partially
5 across an unconfined end of a load to be restrained;

peeling a release paper from said second layer of adhesive from first and second monolithic load restraining strips at one of the ends thereof;

10 applying said first and second monolithic load restraining strips to opposing interior surfaces of the transport container so that said first and second monolithic load restraining strips extend across the transport container enough to be overlapped;

15 pressing the second layer of adhesive of said first and second monolithic load restraining strips against the opposing interior surfaces of the transport container;

loading cargo into the transport container;

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overlapping the ends of said first and second monolithic load restraining strips that extend within the transport container;

drawing said first and second monolithic load restraining strips taut

around the rear of the cargo at the overlapped location; and

securing said first monolithic load restraining strip to said second monolithic load restraining strip at the overlapped portion wherein the shear strength of said first and second adhesive layers operably transfer axial loads between said first and second monolithic strips and to the interior surface of said transport container, thereby forming a secure monolithic load restraining system.

10 19. A method for securing cargo within a transport container, which cargo is subject to shifting forces, using a monolithic load restraint system as defined in claim 18, said method further comprising the steps of:

forming said second layer of adhesive with a substrate having a length less than the length of either of said first and second monolithic strips, a first course of adhesive on said substrate adjacent to said second layer of monolithic strip and a second course of adhesive on an outer surface of said substrate for attachment to an interior surface of said transport container.

20 20. A method for securing cargo within a transport container, which cargo is subject to shifting forces, using a monolithic load restraint system as defined in claim 19, said method further comprising the step of:

forming the second monolithic, flexible, strip with a thickness greater

than the thickness of said first monolithic, flexible strip.